I st And Final Bill Work code - 005-20-000005

M. A. R. 57 (Rule 116)

Measurement Book

No. B Est cost Rs. 99.00 Lakh

500540

rial No. ..... Improvements of CC Roads And Drain

me of Work ..... At Chokkanahalli from in Ward No. 05 To .....

me of Contractor of nature of Agency .... Executive Engineer. IGR I II L

e of commencement of work .... # 280 5th Cross Road 17th C Main Road.

3rd & Block

Rajajinagara

Bangalore. 560010.

te	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Work order no. BBMP/EE/BTP/WO/133/2019.2020.						
	Earth work excavation by manual means in ordinary Soil Soil involving an average horizontal throw up to a mean and an average lift up to 0.00 mtr Excavation in trenches and bodies means dressed sides disposed earth						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	to be covered measly all enclosing & cleaning Cement as per Specification.					1915.77 M^3	263993.25
	Rate. 137.80						
	Providing Granite slabs & selected quality granite dressed and fixed in cement mortar (1:6) including grazing curing etc. complete 2.5 cms thick.					1485.00 M^2	1101870.00
	Rate. 742.00						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

500541

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(3) Construction of Rocked Cement Concrete mix 1:4:8 OPC Cement at 180 kgs WBM 25mm and down size graded Granite metal Coarse aggregate & 0.85mm and fine aggregate Conforming to IS 383 aggregate Cement Ratio 12.1 and minimum Cement Content @ 180 kg/cum agreed to be as per page 600-4 after blending mixing in batching Plant at Common mixture Carting transporting to site laying WBM a Paver WBM electronic sensor compacting WBM 8-10 tonnes Smooth wheeled vibratory roller to						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	achine dressed granite stone and using Cement mortar as per Specification. Rate. 3606=12					53.43 M^3	192675
	Providing and Constructing granite stone masonry in foundation with CM 1:6 stone hammered dressed in courses not less than 20cms high bond stones of 2.0 M or above in each course including cost of mortar using Cement as per Specification. Rate. 4871+76					22.32 M^3	108738

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 500542

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(5) Providing and constructing brick/stone/basalt size stone masonry in basements with CM 1:6 using stones suitable dressed in courses not less than 15 cms high bond stones at 2.0 mtr centers in each courses including cost of materials labour curing complete as per specification. Rate. 5305:30					16.74 m^3	88811.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measured
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(6) Providing and removing centering shuttering shoring propping etc.. and removal of formwork for sides and soffits of beams lintel haunches canopies gardens brushures and cornices upto 1.0 mtr in depth including cost of necessary labour complete as per specification. Rate · 309 : 52					414·79 m² 128386	
	(7) Providing and laying in position Plain cement concrete of Mix 1:3:6 with OPC cement of 220 kg with 20mm and down size graded granite metal						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

500543

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Coarse aggregate ag 0.84 cem and fine aggregate ag 0.56 cem machine mixed concrete laid in layers not exceeding 15 cms thick was compacted in foundation and plinth including cost of machine labour machine curing complete as per Specification. Rate. 5627:54					51.83 m^3	291675:00
(8)	Providing Flush pointing to coursed stone masonry with cement mortar	1:3	20 mm	deep			

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refere to la Measur
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Joints to deepen & 20 mm nicely cost of materials Specification. Rate. 223.66		Laser Curing	Concrete		Curing including as per Rev 37.20 M^2 8320	
(9)	Providing and laying in position Plain Cement Concrete of Mix M20 with OPC Cements of 320 with 20mm and down size Graded Granite metal coarse aggregate of 0.87 Cum and fine aggregate of 0.459 Cum with Seven Readings of 3 as per IS 9103-1999 performed Mixing with						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

Name of Work ..... From..... To.....

500544

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	15 cms thick C.C. laid over sand filling in foundation plinth and ground floor level for roof slabs staircase lintels retaining walls including attached pilasters column pieces including cost of materials curing complete as per specification.						
	Rate: 5998:54					126.64 m³	759655:00
(b)	Providing TMT steel reinforcements for R.C.C. work including straightening cutting bending hooking placing						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement No. ...
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	In Position Capping and corner welding where urgent laying MDH Bending wire and anchoring to me adjoining members whenever necessary Complete per design (Cast holes and chases shall not be measured and paid) cost & necessary labour Comp as per specification.						
	Rate - 75223-20					8.86 Ton 666484	
(iv)	Precast slabs 20mm and below size Reinforcement including steel and shuttering where mixed Concrete laid in layers not exceeding 10cm thick when compact						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....

500545

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cast & reserials Lasa wi nom & mechanical Curing Concrete as Per Specification cc 1 : 1·5 : 3 including all costs & reserials.					278.10 m^2	
	Rate. 2100 : 10					584010 : 00	
(12)	Construction & embankments with approved reserious gravel / Murrum with all lifts and leads transporting to site spreading grading to required slope and compacting to meets requirements						

Rate 300.2 Cubic Per

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Specification (Source including cost & premium obtaining clearance and compensation by whom to be cleared)					1089.00 M	Granular 375/61
	Rate. 344:00						
(13)	Providing laying spreading and compacting graded sand gravel or any other coarse material in sub base course including pre mixing the material in mechanical mixer by mix in situ method complete as directed Material up to 1.00 km spreading in subsequent layers with motor grader on a prepared bed						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

500546

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	and compacting with power driven to achieve the desired density including all necessary lagors from & money including guarding transporting and maintenance & diversion Courses as per specification.					1218.00 M^3	
	Rate. 1322:88						1611268:00
(IV)	Providing laying spreading and compacting stone aggregate & screening grits & water bound macadam surface						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refer to la Measur
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	in uniform surface by hand picking grading with wheeled steel/wooden roller 8-10 tonnes in 3 to proper grade and camber applying at first coarse type screening below initial layer in the interstices & coarse aggregate watering and compacted to required density by mechanical rolling Semi crushable type such as moorum or gravel grad -ll ese compacted.						
	Rate 2323:52					544.50 m²	
(15)	Providing laying spreading and stone aggregate & specific grades					Compacting & Watering	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

500547

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Metadam Specification including Spreading in uniform thickness hand Packing Packing with 3 Wheeled Steel mi- -Grady Roller 8-10 Tonnes in Stages to Proper Grade and Camber applying and Brooming Requisite Depth & Screening Sending Material to Site of Work in Boxes & Consolidi- -ge Watering and Compacting to give the Required density Metal using Screening Crushed type Quality Mum & Gravel Grading - III. Page. 2461:32					363.00 M³	893459.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refere to la Measur
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(16)	Loading and unloading of stone boulders by mean means complete as per Specification.					1915.77 M³	115751
	Rate: 60 + 42						
					Grand Total		845571
					12% Applicable GST		101469
					For 3% LRIDL charges		25367
					Add 1% Contingencies		8455
					Total Rs.		980862

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
24/11/2020

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

500548

No. .....

of Work ..... From..... To.....

of Contractor of nature of Agency .....

f commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Certificate.	① Certified that the work done satisfactory. ② Full bill Amount has not been claimed in any of previous bill.					

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

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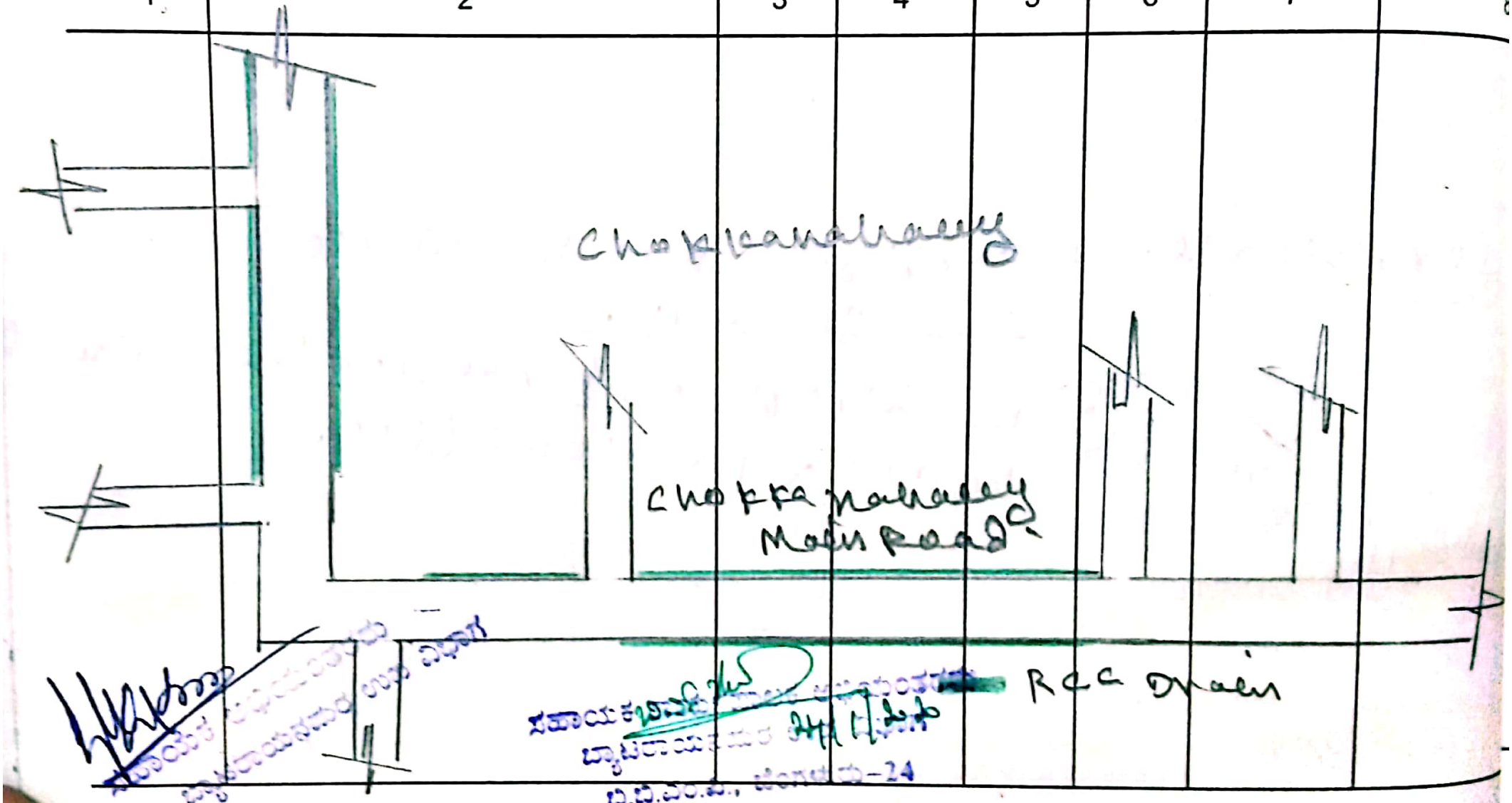
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refe to Measu
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



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M. A. R. 57 (Rule 116)
Measurement Book

No. B

500543

No. .....

of Work ..... From..... To.....

of Contractor of nature of Agency .....

f commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Chokkanahalli SC/ST Burial Ground. Road.2	Ch. 60.00 m	Ch. 0.00				
WBM Road.						
		Ch 529.00 m				

Chokkanahalli SC/ST Burial Ground. Road.1

Ch 0.00

2411/2020

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